

Docket No. AUS920030444US1

ABSTRACT OF THE DISCLOSURE

**SYSTEM AND METHOD OF REDUCING DATA CORRUPTION DUE TO
RECYCLED IP IDENTIFICATION NUMBERS**

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A system and method of reducing data corruption due to recycled Internet Protocol (IP) identification numbers are provided. When IP packets are being fragmented and the IP identification number of the packets is cycling through a specific group of numbers, the size of the first fragment of a packet is decremented each time the IP identification cycles through the numbers. Initially, the size of the first fragment of a packet will be set to a maximum number. This size will be decremented at each pass of the IP identification through the numbers until the size of the first fragment of a packet reaches a pre-defined minimum size. When that occurs, the size of the first fragment of a packet will again be set to the maximum number. By decrementing the size of the first fragment, fragment offset of the other fragments that make up the packet will be changing. This then reduces the likelihood of having two fragments having the same IP identification number be mistaken as being from the same packet.

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